Introduction

A detailed schedule for the Upper Ventura River Basin Surface Water/Groundwater Interaction Study is provided as part of this Attachment 7 (file 2 of 2).

The schedule shows the sequence and timing of work items presented in this proposal and assumes the grant agreement to be effective in April 2013, with a 2-year performance period. The schedule shows timelines for each planning item contained in the Attachment 5 Work Plan, and who will perform the work (consultant, the City of Ventura or the City of Ventura together with the parties to the MOA). Work Plan Tasks in this Proposal are numbered as follows:

1. Data Collection Strategy
2. Field Data Collection
3. Report, Correlations and Water Balance Analysis
4. Stakeholder Involvement
5. Grant Management

Schedule Development

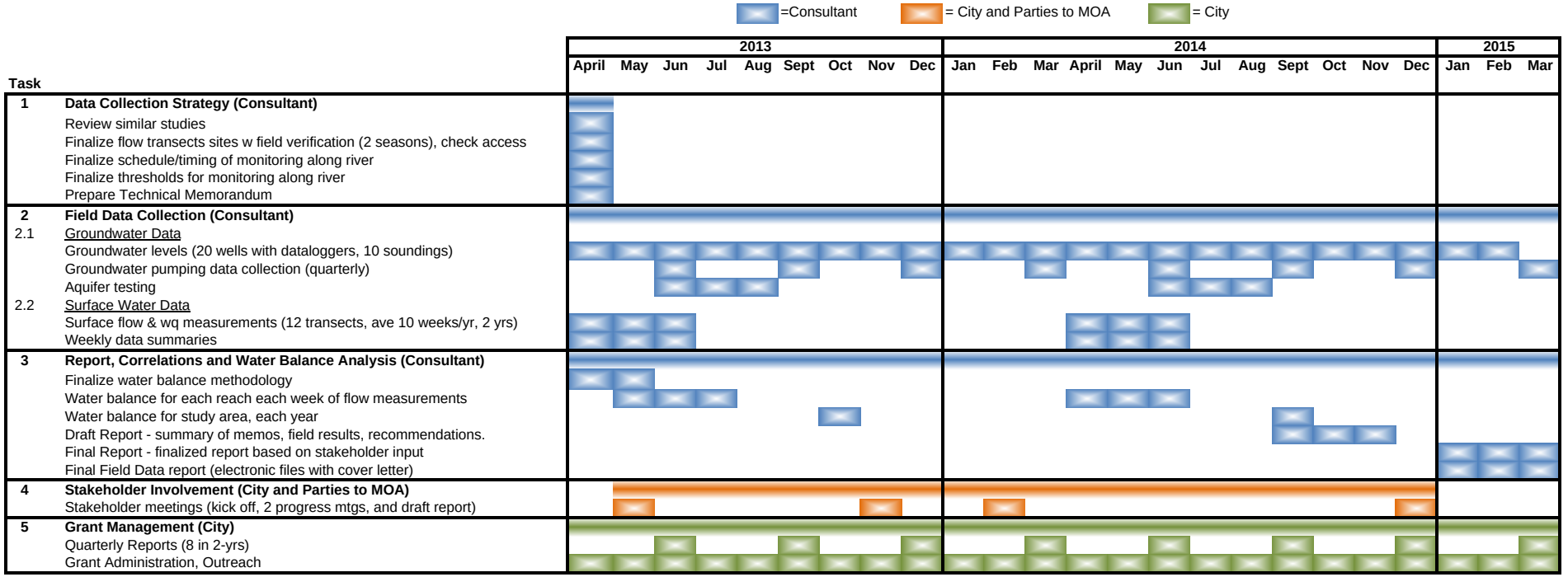
The schedule presented in the table was prepared with input of all parties to the MOA and previous experience on similar work performed.

Readiness to Proceed and On-Time Progression

Task 1 (Data Collection Strategy) will be completed as soon as possible after grant award and within one month following selection of a consultant. Field Data Collection (Task 2) will begin upon completion of the monitoring schedule. Prior permitting, such as for environmental compliance, will not be necessary for the proposed project.

As part of the MOA, several municipal groundwater producers have already agreed to participate in the project. This guarantees access to the minimum number of needed stream locations and the minimum number of groundwater wells. Therefore, it is anticipated that sampling sites will be consistently accessible during performance of the study, so as not to impact the proposed schedule.

Attachment 7: Schedule for Upper Ventura River Basin Surface Water/Groundwater Interaction Study



Task		
1	**Data Collection Strategy (Consultant)**	
	Review similar studies	
	Finalize flow transects sites w field verification (2 seasons), check access	
	Finalize schedule/timing of monitoring along river	
	Finalize thresholds for monitoring along river	
	Prepare Technical Memorandum	
2	**Field Data Collection (Consultant)**	
2.1	Groundwater Data	
	Groundwater levels (20 wells with dataloggers, 10 soundings)	
	Groundwater pumping data collection (quarterly)	
	Aquifer testing	
2.2	Surface Water Data	
	Surface flow & wq measurements (12 transects, ave 10 weeks/yr, 2 yrs)	
	Weekly data summaries	
3	**Report, Correlations and Water Balance Analysis (Consultant)**	
	Finalize water balance methodology	
	Water balance for each reach each week of flow measurements	
	Water balance for study area, each year	
	Draft Report - summary of memos, field results, recommendations.	
	Final Report - finalized report based on stakeholder input	
	Final Field Data report (electronic files with cover letter)	
4	**Stakeholder Involvement (City and Parties to MOA)**	
	Stakeholder meetings (kick off, 2 progress mtgs, and draft report)	
5	**Grant Management (City)**	
	Quarterly Reports (8 in 2-yrs)	
	Grant Administration, Outreach	

Notes:

Task 1 - To be completed within one month following selection of Consultant

Task 2 - can begin as soon as the monitoring schedule is completed.

Estimates based on 2 years of data collection, 2 full years for groundwater monitoring and surface flow measuring at 12 transects - 8 will go for 12 weeks and 4 for 6 weeks, for an average of 10 weeks per year for two years.

Groundwater pumping records are checked quarterly (every 3 months).

Aquifer testing will be conducted at the end of the stream flow monitoring.